# WEST Search History

DATE: Friday, October 18, 2002

| Set Name side by side | Query | Hit Count | Set Name result set |
|---|---|---|---|
| | *DB=USPT,PGPB,JPAB,EPAB,DWPI,TDBD; PLUR=YES; OP=ADJ* | | |
| L6 | (((((514/553 or 514/557 or 514/579 or 514/675 or 514/694 or 514/699 or 514/706 or 514/707 or 514/708 or 514/715 or 514/722 or 514/724 or 514/731 or 514/739 or 514/743 or 514/762 or 514/763 or 514/764 or 424/84 or 424/405 or 424/537 )and (arthropod or mosquito) )and (glycolic or oxalic or acetic or hydracrylic or pyruvic or glyceric or hydroxypyruvic or malonic or hydroxybutyric or methyllactic or butyric or malic or oxovaleric or hydroxyvaleric or methylvaleric or hexanoic or mercaptoacetic or thiolactic or mercaptopropionic or thiopropionic or bromopropionic or bromobutyric or chloropropionic or chloropropionic or lactic or formic) )and (carbon dioxide or ketone or alkyl or aldehyde or alcohol or halogenated or nitrile or ether or sulfide or sulphide and heterocyc$10 or acetone or pentanone or butanone or hexanone or heptanone or butanedione or pentanedione or isoprene or heptene or octene or nonene or methanol or ethanol or heptenol or octenol or formaldehyde or acetaldehyde or butryaldehyde or isobutyraldehyde or nonanol or benzaldehyde or methylene chloride or chloroform or carbon tetrachloride or bromoform or acetonitrile or benzonitrile or phenylacetonitrile or disulfide or disulphide or sulfoxide or sulphoxide) ) and attract$10) | 84 | L6 |
| L5 | ((((514/553 or 514/557 or 514/579 or 514/675 or 514/694 or 514/699 or 514/706 or 514/707 or 514/708 or 514/715 or 514/722 or 514/724 or 514/731 or 514/739 or 514/743 or 514/762 or 514/763 or 514/764 or 424/84 or 424/405 or 424/537 )and (arthropod or mosquito) )and (glycolic or oxalic or acetic or hydracrylic or pyruvic or glyceric or hydroxypyruvic or malonic or hydroxybutyric or methyllactic or butyric or malic or oxovaleric or hydroxyvaleric or methylvaleric or hexanoic or mercaptoacetic or thiolactic or mercaptopropionic or thiopropionic or bromopropionic or bromobutyric or chloropropionic or chloropropionic or lactic or formic) ) and (carbon dioxide or ketone or alkyl or aldehyde or alcohol or halogenated or nitrile or ether or sulfide or sulphide and heterocyc$10 or acetone or pentanone or butanone or hexanone or heptanone or butanedione or pentanedione or isoprene or heptene or octene or nonene or methanol or ethanol or heptenol or octenol or formaldehyde or acetaldehyde or butryaldehyde or isobutyraldehyde or nonanol or benzaldehyde or methylene chloride or chloroform or carbon tetrachloride or bromoform or acetonitrile or benzonitrile or phenylacetonitrile or disulfide or disulphide or sulfoxide or sulphoxide)) | 170 | L5 |
| | ((((514/553 or 514/557 or 514/579 or 514/675 or 514/694 or 514/699 or 514/706 or 514/707 or 514/708 or 514/715 or 514/722 or 514/724 | | |

| | | | |
|---|---|---|---|
| L4 | or 514/731 or 514/739 or 514/743 or 514/762 or 514/763 or 514/764 or 424/84 or 424/405 or 424/537 )and (arthropod or mosquito) )and (glycolic or oxalic or acetic or hydracrylic or pyruvic or glyceric or hydroxypyruvic or malonic or hydroxybutyric or methyllactic or butyric or malic or oxovaleric or hydroxyvaleric or methylvaleric or hexanoic or mercaptoacetic or thiolactic or mercaptopropionic or thiopropionic or bromopropionic or bromobutyric or chloropropionic or chloropropionic or lactic or formic) ) and (carbon dioxide or ketone or alkyl or aldhyde or alcohol or halogenated or nitrile or ether or sulfide or sulphide and heterocyc$10 or acetone or pentanone or butanone or hexanone or heptanone or butanedione or pentanedione or isoprene or heptene or octene or nonene or methanol or ethanol or heptenol or octenol or formaldehyde or acetaldehyde or butryaldehyde or isobutyraldehyde or nonanol or benzaldehyde or methylene chloride or chloroform or carbon tetrachloride or bromoform or acetonitrile or benzonitrile or phenylacetonitrile or disulfide or disulphide or sulfoxide or sulphoxide)) | 170 | L4 |
| L3 | ((514/553 or 514/557 or 514/579 or 514/675 or 514/694 or 514/699 or 514/706 or 514/707 or 514/708 or 514/715 or 514/722 or 514/724 or 514/731 or 514/739 or 514/743 or 514/762 or 514/763 or 514/764 or 424/84 or 424/405 or 424/537 ) and (arthropod or mosquito)) | 602 | L3 |
| L2 | ((514/553 or 514/557 or 514/579 or 514/675 or 514/694 or 514/699 or 514/706 or 514/707 or 514/708 or 514/715 or 514/722 or 514/724 or 514/731 or 514/739 or 514/743 or 514/762 or 514/763 or 514/764 or 424/84 or 424/405 or 424/537 ) and (arthropod or mosquitoe)) | 602 | L2 |
| L1 | (514/553 or 514/557 or 514/579 or 514/675 or 514/694 or 514/699 or 514/706 or 514/707 or 514/708 or 514/715 or 514/722 or 514/724 or 514/731 or 514/739 or 514/743 or 514/762 or 514/763 or 514/764 or 424/84 or 424/405 or 424/537) | 8280 | L1 |

END OF SEARCH HISTORY

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     (FILE 'HOME' ENTERED AT 08:57:55 ON 18 OCT 2002)

     FILE 'REGISTRY' ENTERED AT 09:00:41 ON 18 OCT 2002
L1             1 S PYRUVIC ACID/CN
L2             1 S ACETONE/CN

     FILE 'EMBASE, BIOSIS, EUROPATFULL, JAPIO, ADISALERTS, ADISINSIGHT,
     ADISNEWS, BABS, BIOBUSINESS, BIOCOMMERCE, BIOTECHNO, CANCERLIT, CAPLUS,
     CBNB, CEN, CIN, CONFSCI, DGENE, DIOGENES, DRUGB, DRUGLAUNCH, DRUGMONOG2,
     DRUGNL, DRUGU, DRUGUPDATES, EMBAL, ESBIOBASE, ...' ENTERED AT 09:01:19
ON
     18 OCT 2002

     FILE 'REGISTRY' ENTERED AT 09:03:51 ON 18 OCT 2002
                SET SMARTSELECT ON
L3           SEL L1 1- CHEM :        9 TERMS
                SET SMARTSELECT OFF

     FILE 'EMBASE, BIOSIS, EUROPATFULL, JAPIO, ADISALERTS, ADISINSIGHT,
     ADISNEWS, BABS, BIOBUSINESS, BIOCOMMERCE, BIOTECHNO, CANCERLIT, CAPLUS,
     CBNB, CEN, CIN, CONFSCI, DGENE, DIOGENES, DRUGB, DRUGLAUNCH, DRUGMONOG2,
     DRUGNL, DRUGU, DRUGUPDATES, EMBAL, ESBIOBASE, ...' ENTERED AT 09:03:56
ON
     18 OCT 2002
L4         69748 S L3/BI

     FILE 'REGISTRY' ENTERED AT 09:06:46 ON 18 OCT 2002
                SET SMARTSELECT ON
L5           SEL L2 1- CHEM :        9 TERMS
                SET SMARTSELECT OFF

     FILE 'EMBASE, BIOSIS, EUROPATFULL, JAPIO, ADISALERTS, ADISINSIGHT,
     ADISNEWS, BABS, BIOBUSINESS, BIOCOMMERCE, BIOTECHNO, CANCERLIT, CAPLUS,
     CBNB, CEN, CIN, CONFSCI, DGENE, DIOGENES, DRUGB, DRUGLAUNCH, DRUGMONOG2,
     DRUGNL, DRUGU, DRUGUPDATES, EMBAL, ESBIOBASE, ...' ENTERED AT 09:06:50
ON
     18 OCT 2002
L6         572256 S L5/BI
L7          69929 S L1 OR L4
L8         572421 S L2 OR L6
L9           3384 S L7 AND L8
L10            21 S L9 AND (MOSQUITO? OR AEDES OR ANOPHELES)
L11            20 DUP REM L10 (1 DUPLICATE REMOVED)
L12            75 S L7 AND (MOSQUITO? OR AEDES OR ANOPHELES)
L13            61 DUP REM L12 (14 DUPLICATES REMOVED)
L14           556 S L7 (9999A) L8
L15           450 DUP REM L14 (106 DUPLICATES REMOVED)
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     (FILE 'HOME' ENTERED AT 08:57:55 ON 18 OCT 2002)

     FILE 'REGISTRY' ENTERED AT 09:00:41 ON 18 OCT 2002
L1             1 SEA PYRUVIC ACID/CN
L2             1 SEA ACETONE/CN

     FILE 'EMBASE, BIOSIS, EUROPATFULL, JAPIO, ADISALERTS, ADISINSIGHT,
     ADISNEWS, BABS, BIOBUSINESS, BIOCOMMERCE, BIOTECHNO, CANCERLIT, CAPLUS,
     CBNB, CEN, CIN, CONFSCI, DGENE, DIOGENES, DRUGB, DRUGLAUNCH, DRUGMONOG2,
     DRUGNL, DRUGU, DRUGUPDATES, EMBAL, ESBIOBASE, ...' ENTERED AT 09:01:19
ON
     18 OCT 2002

     FILE 'REGISTRY' ENTERED AT 09:03:51 ON 18 OCT 2002
                SET SMARTSELECT ON
L3              SEL L1 1- CHEM :       9 TERMS
                SET SMARTSELECT OFF

     FILE 'EMBASE, BIOSIS, EUROPATFULL, JAPIO, ADISALERTS, ADISINSIGHT,
     ADISNEWS, BABS, BIOBUSINESS, BIOCOMMERCE, BIOTECHNO, CANCERLIT, CAPLUS,
     CBNB, CEN, CIN, CONFSCI, DGENE, DIOGENES, DRUGB, DRUGLAUNCH, DRUGMONOG2,
     DRUGNL, DRUGU, DRUGUPDATES, EMBAL, ESBIOBASE, ...' ENTERED AT 09:03:56
ON
     18 OCT 2002
L4         69748 SEA L3/BI

     FILE 'REGISTRY' ENTERED AT 09:06:46 ON 18 OCT 2002
                SET SMARTSELECT ON
L5              SEL L2 1- CHEM :       9 TERMS
                SET SMARTSELECT OFF

     FILE 'EMBASE, BIOSIS, EUROPATFULL, JAPIO, ADISALERTS, ADISINSIGHT,
     ADISNEWS, BABS, BIOBUSINESS, BIOCOMMERCE, BIOTECHNO, CANCERLIT, CAPLUS,
     CBNB, CEN, CIN, CONFSCI, DGENE, DIOGENES, DRUGB, DRUGLAUNCH, DRUGMONOG2,
     DRUGNL, DRUGU, DRUGUPDATES, EMBAL, ESBIOBASE, ...' ENTERED AT 09:06:50
ON
     18 OCT 2002
L6         572256 SEA L5/BI
L7          69929 SEA L1 OR L4
L8         572421 SEA L2 OR L6
L*** DEL     3384 S L7 AND L8
L*** DEL       21 S L13 AND (MOSQUITO? OR AEDES OR ANOPHELES)
L*** DEL       20 DUP REM L15 (1 DUPLICATE REMOVED)
                  D 1-20
L*** DEL       75 S L7 AND (MOSQUITO? OR AEDES OR ANOPHELES)
L*** DEL       61 DUP REM L17 (14 DUPLICATES REMOVED)
                  D 1-61
                  D 41 IALL
                  D 38 IALL
L*** DEL      556 S L7 (9999A) L8
L*** DEL      450 DUP REM L18 (106 DUPLICATES REMOVED)
                  D 1-450 KWIC
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                D 151 IALL

     FILE 'REGISTRY' ENTERED AT 09:31:15 ON 18 OCT 2002
L9              1 SEA GLYCOLIC ACID/CN
L10             1 SEA LACTIC ACID/CN
L11             1 SEA CARBON DIOXIDE/CN

     FILE 'EMBASE, BIOSIS, EUROPATFULL, JAPIO, ADISALERTS, ADISINSIGHT,
     ADISNEWS, BABS, BIOBUSINESS, BIOCOMMERCE, BIOTECHNO, CANCERLIT, CAPLUS,
     CBNB, CEN, CIN, CONFSCI, DGENE, DIOGENES, DRUGB, DRUGLAUNCH, DRUGMONOG2,
     DRUGNL, DRUGU, DRUGUPDATES, EMBAL, ESBIOBASE, ...' ENTERED AT 09:31:56
ON
     18 OCT 2002

     FILE 'REGISTRY' ENTERED AT 09:32:09 ON 18 OCT 2002
                D L11

     FILE 'EMBASE, BIOSIS, EUROPATFULL, JAPIO, ADISALERTS, ADISINSIGHT,
     ADISNEWS, BABS, BIOBUSINESS, BIOCOMMERCE, BIOTECHNO, CANCERLIT, CAPLUS,
     CBNB, CEN, CIN, CONFSCI, DGENE, DIOGENES, DRUGB, DRUGLAUNCH, DRUGMONOG2,
     DRUGNL, DRUGU, DRUGUPDATES, EMBAL, ESBIOBASE, ...' ENTERED AT 09:32:11
ON
     18 OCT 2002

     FILE 'REGISTRY' ENTERED AT 09:32:23 ON 18 OCT 2002
                SET SMARTSELECT ON
L12             SEL L9 1- CHEM :        9 TERMS
                SET SMARTSELECT OFF

     FILE 'EMBASE, BIOSIS, EUROPATFULL, JAPIO, ADISALERTS, ADISINSIGHT,
     ADISNEWS, BABS, BIOBUSINESS, BIOCOMMERCE, BIOTECHNO, CANCERLIT, CAPLUS,
     CBNB, CEN, CIN, CONFSCI, DGENE, DIOGENES, DRUGB, DRUGLAUNCH, DRUGMONOG2,
     DRUGNL, DRUGU, DRUGUPDATES, EMBAL, ESBIOBASE, ...' ENTERED AT 09:32:25
ON
     18 OCT 2002
L13         46682 SEA L12/BI

     FILE 'REGISTRY' ENTERED AT 09:34:52 ON 18 OCT 2002
                SET SMARTSELECT ON
L14             SEL L10 1- CHEM :       14 TERMS
                SET SMARTSELECT OFF

     FILE 'EMBASE, BIOSIS, EUROPATFULL, JAPIO, ADISALERTS, ADISINSIGHT,
     ADISNEWS, BABS, BIOBUSINESS, BIOCOMMERCE, BIOTECHNO, CANCERLIT, CAPLUS,
     CBNB, CEN, CIN, CONFSCI, DGENE, DIOGENES, DRUGB, DRUGLAUNCH, DRUGMONOG2,
     DRUGNL, DRUGU, DRUGUPDATES, EMBAL, ESBIOBASE, ...' ENTERED AT 09:34:54
ON
     18 OCT 2002
L15        302537 SEA L14/BI

     FILE 'REGISTRY' ENTERED AT 09:38:07 ON 18 OCT 2002
                SET SMARTSELECT ON
L16             SEL L11 1- CHEM :       12 TERMS
                SET SMARTSELECT OFF
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     FILE 'EMBASE, BIOSIS, EUROPATFULL, JAPIO, ADISALERTS, ADISINSIGHT,
     ADISNEWS, BABS, BIOBUSINESS, BIOCOMMERCE, BIOTECHNO, CANCERLIT, CAPLUS,
     CBNB, CEN, CIN, CONFSCI, DGENE, DIOGENES, DRUGB, DRUGLAUNCH, DRUGMONOG2,
     DRUGNL, DRUGU, DRUGUPDATES, EMBAL, ESBIOBASE, ...' ENTERED AT 09:38:09
ON
     18 OCT 2002
L17       985775 SEA L16/BI
L18        46668 SEA L9 OR L13
L19       302270 SEA L10 OR L15
L20       367987 SEA L11
                 D L17

     FILE 'REGISTRY' ENTERED AT 09:49:59 ON 18 OCT 2002
                 D L11

     FILE 'EMBASE, BIOSIS, EUROPATFULL, JAPIO, ADISALERTS, ADISINSIGHT,
     ADISNEWS, BABS, BIOBUSINESS, BIOCOMMERCE, BIOTECHNO, CANCERLIT, CAPLUS,
     CBNB, CEN, CIN, CONFSCI, DGENE, DIOGENES, DRUGB, DRUGLAUNCH, DRUGMONOG2,
     DRUGNL, DRUGU, DRUGUPDATES, EMBAL, ESBIOBASE, ...' ENTERED AT 09:50:05
ON
     18 OCT 2002
L21       997153 SEA L20 OR CARBON DIOXIDE OR CARBON OXIDE OR CARBON-12
DIOXIDE
                 OR CARBON 12C DIOXIDE-1602 OR CARBONIC ACID ANHYDRIDE OR
                 CARBONIC ACID GAS OR CARBONIC ANHYDRIDE OR DRY ICE OR KHLADON
                 744 OR R 744
L22         3409 SEA L19 AND L8 AND L21
L23           37 SEA L22 AND (MOSQUITO? OR AEDES OR ANOPHELES)
L24           35 DUP REM L23 (2 DUPLICATES REMOVED)
                 D 1-35
                 D 18 IALL
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     (FILE 'HOME' ENTERED AT 08:57:55 ON 18 OCT 2002)

     FILE 'REGISTRY' ENTERED AT 09:00:41 ON 18 OCT 2002
L1             1 SEA PYRUVIC ACID/CN
L2             1 SEA ACETONE/CN

     FILE 'EMBASE, BIOSIS, EUROPATFULL, JAPIO, ADISALERTS, ADISINSIGHT,
     ADISNEWS, BABS, BIOBUSINESS, BIOCOMMERCE, BIOTECHNO, CANCERLIT, CAPLUS,
     CBNB, CEN, CIN, CONFSCI, DGENE, DIOGENES, DRUGB, DRUGLAUNCH, DRUGMONOG2,
     DRUGNL, DRUGU, DRUGUPDATES, EMBAL, ESBIOBASE, ...' ENTERED AT 09:01:19
ON
     18 OCT 2002

     FILE 'REGISTRY' ENTERED AT 09:03:51 ON 18 OCT 2002
                SET SMARTSELECT ON
L3              SEL L1 1- CHEM :       9 TERMS
                SET SMARTSELECT OFF

     FILE 'EMBASE, BIOSIS, EUROPATFULL, JAPIO, ADISALERTS, ADISINSIGHT,
     ADISNEWS, BABS, BIOBUSINESS, BIOCOMMERCE, BIOTECHNO, CANCERLIT, CAPLUS,
     CBNB, CEN, CIN, CONFSCI, DGENE, DIOGENES, DRUGB, DRUGLAUNCH, DRUGMONOG2,
     DRUGNL, DRUGU, DRUGUPDATES, EMBAL, ESBIOBASE, ...' ENTERED AT 09:03:56
ON
     18 OCT 2002
L4         69748 SEA L3/BI

     FILE 'REGISTRY' ENTERED AT 09:06:46 ON 18 OCT 2002
                SET SMARTSELECT ON
L5              SEL L2 1- CHEM :       9 TERMS
                SET SMARTSELECT OFF

     FILE 'EMBASE, BIOSIS, EUROPATFULL, JAPIO, ADISALERTS, ADISINSIGHT,
     ADISNEWS, BABS, BIOBUSINESS, BIOCOMMERCE, BIOTECHNO, CANCERLIT, CAPLUS,
     CBNB, CEN, CIN, CONFSCI, DGENE, DIOGENES, DRUGB, DRUGLAUNCH, DRUGMONOG2,
     DRUGNL, DRUGU, DRUGUPDATES, EMBAL, ESBIOBASE, ...' ENTERED AT 09:06:50
ON
     18 OCT 2002
L6         572256 SEA L5/BI
L7          69929 SEA L1 OR L4
L8         572421 SEA L2 OR L6
L*** DEL     3384 S L7 AND L8
L*** DEL       21 S L13 AND (MOSQUITO? OR AEDES OR ANOPHELES)
L*** DEL       20 DUP REM L15 (1 DUPLICATE REMOVED)
                  D 1-20
L*** DEL       75 S L7 AND (MOSQUITO? OR AEDES OR ANOPHELES)
L*** DEL       61 DUP REM L17 (14 DUPLICATES REMOVED)
                  D 1-61
                  D 41 IALL
                  D 38 IALL
L*** DEL      556 S L7 (9999A) L8
L*** DEL      450 DUP REM L18 (106 DUPLICATES REMOVED)
                  D 1-450 KWIC
                  D 151 IALL
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     FILE 'REGISTRY' ENTERED AT 09:31:15 ON 18 OCT 2002
L9             1 SEA GLYCOLIC ACID/CN
L10            1 SEA LACTIC ACID/CN
L11            1 SEA CARBON DIOXIDE/CN

     FILE 'EMBASE, BIOSIS, EUROPATFULL, JAPIO, ADISALERTS, ADISINSIGHT,
     ADISNEWS, BABS, BIOBUSINESS, BIOCOMMERCE, BIOTECHNO, CANCERLIT, CAPLUS,
     CBNB, CEN, CIN, CONFSCI, DGENE, DIOGENES, DRUGB, DRUGLAUNCH, DRUGMONOG2,
     DRUGNL, DRUGU, DRUGUPDATES, EMBAL, ESBIOBASE, ...' ENTERED AT 09:31:56
ON
     18 OCT 2002

     FILE 'REGISTRY' ENTERED AT 09:32:09 ON 18 OCT 2002
               D L11

     FILE 'EMBASE, BIOSIS, EUROPATFULL, JAPIO, ADISALERTS, ADISINSIGHT,
     ADISNEWS, BABS, BIOBUSINESS, BIOCOMMERCE, BIOTECHNO, CANCERLIT, CAPLUS,
     CBNB, CEN, CIN, CONFSCI, DGENE, DIOGENES, DRUGB, DRUGLAUNCH, DRUGMONOG2,
     DRUGNL, DRUGU, DRUGUPDATES, EMBAL, ESBIOBASE, ...' ENTERED AT 09:32:11
ON
     18 OCT 2002

     FILE 'REGISTRY' ENTERED AT 09:32:23 ON 18 OCT 2002
               SET SMARTSELECT ON
L12            SEL L9 1- CHEM :       9 TERMS
               SET SMARTSELECT OFF

     FILE 'EMBASE, BIOSIS, EUROPATFULL, JAPIO, ADISALERTS, ADISINSIGHT,
     ADISNEWS, BABS, BIOBUSINESS, BIOCOMMERCE, BIOTECHNO, CANCERLIT, CAPLUS,
     CBNB, CEN, CIN, CONFSCI, DGENE, DIOGENES, DRUGB, DRUGLAUNCH, DRUGMONOG2,
     DRUGNL, DRUGU, DRUGUPDATES, EMBAL, ESBIOBASE, ...' ENTERED AT 09:32:25
ON
     18 OCT 2002
L13         46682 SEA L12/BI

     FILE 'REGISTRY' ENTERED AT 09:34:52 ON 18 OCT 2002
               SET SMARTSELECT ON
L14            SEL L10 1- CHEM :      14 TERMS
               SET SMARTSELECT OFF

     FILE 'EMBASE, BIOSIS, EUROPATFULL, JAPIO, ADISALERTS, ADISINSIGHT,
     ADISNEWS, BABS, BIOBUSINESS, BIOCOMMERCE, BIOTECHNO, CANCERLIT, CAPLUS,
     CBNB, CEN, CIN, CONFSCI, DGENE, DIOGENES, DRUGB, DRUGLAUNCH, DRUGMONOG2,
     DRUGNL, DRUGU, DRUGUPDATES, EMBAL, ESBIOBASE, ...' ENTERED AT 09:34:54
ON
     18 OCT 2002
L15        302537 SEA L14/BI

     FILE 'REGISTRY' ENTERED AT 09:38:07 ON 18 OCT 2002
               SET SMARTSELECT ON
L16            SEL L11 1- CHEM :      12 TERMS
               SET SMARTSELECT OFF

     FILE 'EMBASE, BIOSIS, EUROPATFULL, JAPIO, ADISALERTS, ADISINSIGHT,
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     ADISNEWS, BABS, BIOBUSINESS, BIOCOMMERCE, BIOTECHNO, CANCERLIT, CAPLUS,
     CBNB, CEN, CIN, CONFSCI, DGENE, DIOGENES, DRUGB, DRUGLAUNCH, DRUGMONOG2,
     DRUGNL, DRUGU, DRUGUPDATES, EMBAL, ESBIOBASE, ...' ENTERED AT 09:38:09
ON
     18 OCT 2002
L17       985775 SEA L16/BI
L18        46668 SEA L9 OR L13
L19       302270 SEA L10 OR L15
L20       367987 SEA L11
                 D L17

     FILE 'REGISTRY' ENTERED AT 09:49:59 ON 18 OCT 2002
                 D L11

     FILE 'EMBASE, BIOSIS, EUROPATFULL, JAPIO, ADISALERTS, ADISINSIGHT,
     ADISNEWS, BABS, BIOBUSINESS, BIOCOMMERCE, BIOTECHNO, CANCERLIT, CAPLUS,
     CBNB, CEN, CIN, CONFSCI, DGENE, DIOGENES, DRUGB, DRUGLAUNCH, DRUGMONOG2,
     DRUGNL, DRUGU, DRUGUPDATES, EMBAL, ESBIOBASE, ...' ENTERED AT 09:50:05
ON
     18 OCT 2002
L21       997153 SEA L20 OR CARBON DIOXIDE OR CARBON OXIDE OR CARBON-12
DIOXIDE
                 OR CARBON 12C DIOXIDE-1602 OR CARBONIC ACID ANHYDRIDE OR
                 CARBONIC ACID GAS OR CARBONIC ANHYDRIDE OR DRY ICE OR KHLADON
                 744 OR R 744
L*** DEL     3409 S L19 AND L8 AND L21
L*** DEL       37 S L22 AND (MOSQUITO? OR AEDES OR ANOPHELES)
L*** DEL       35 DUP REM L*** (2 DUPLICATES REMOVED)
                 D 1-35
                 D 18 IALL
L22           294 SEA L19 (9999A) L8 (9999A) L21
L23           280 DUP REM L22 (14 DUPLICATES REMOVED)
                 D 1-280 KWIC
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=> d his ful

     (FILE 'HOME' ENTERED AT 08:57:55 ON 18 OCT 2002)

     FILE 'REGISTRY' ENTERED AT 09:00:41 ON 18 OCT 2002
L1             1 SEA PYRUVIC ACID/CN
L2             1 SEA ACETONE/CN

     FILE 'EMBASE, BIOSIS, EUROPATFULL, JAPIO, ADISALERTS, ADISINSIGHT,
     ADISNEWS, BABS, BIOBUSINESS, BIOCOMMERCE, BIOTECHNO, CANCERLIT, CAPLUS,
     CBNB, CEN, CIN, CONFSCI, DGENE, DIOGENES, DRUGB, DRUGLAUNCH, DRUGMONOG2,
     DRUGNL, DRUGU, DRUGUPDATES, EMBAL, ESBIOBASE, ...' ENTERED AT 09:01:19
ON
     18 OCT 2002

     FILE 'REGISTRY' ENTERED AT 09:03:51 ON 18 OCT 2002
                SET SMARTSELECT ON
L3              SEL L1 1- CHEM :       9 TERMS
                SET SMARTSELECT OFF

     FILE 'EMBASE, BIOSIS, EUROPATFULL, JAPIO, ADISALERTS, ADISINSIGHT,
     ADISNEWS, BABS, BIOBUSINESS, BIOCOMMERCE, BIOTECHNO, CANCERLIT, CAPLUS,
     CBNB, CEN, CIN, CONFSCI, DGENE, DIOGENES, DRUGB, DRUGLAUNCH, DRUGMONOG2,
     DRUGNL, DRUGU, DRUGUPDATES, EMBAL, ESBIOBASE, ...' ENTERED AT 09:03:56
ON
     18 OCT 2002
L4         69748 SEA L3/BI

     FILE 'REGISTRY' ENTERED AT 09:06:46 ON 18 OCT 2002
                SET SMARTSELECT ON
L5              SEL L2 1- CHEM :       9 TERMS
                SET SMARTSELECT OFF

     FILE 'EMBASE, BIOSIS, EUROPATFULL, JAPIO, ADISALERTS, ADISINSIGHT,
     ADISNEWS, BABS, BIOBUSINESS, BIOCOMMERCE, BIOTECHNO, CANCERLIT, CAPLUS,
     CBNB, CEN, CIN, CONFSCI, DGENE, DIOGENES, DRUGB, DRUGLAUNCH, DRUGMONOG2,
     DRUGNL, DRUGU, DRUGUPDATES, EMBAL, ESBIOBASE, ...' ENTERED AT 09:06:50
ON
     18 OCT 2002
L6         572256 SEA L5/BI
L7          69929 SEA L1 OR L4
L8         572421 SEA L2 OR L6
L*** DEL     3384 S L7 AND L8
L*** DEL       21 S L13 AND (MOSQUITO? OR AEDES OR ANOPHELES)
L*** DEL       20 DUP REM L15 (1 DUPLICATE REMOVED)
                  D 1-20
L*** DEL       75 S L7 AND (MOSQUITO? OR AEDES OR ANOPHELES)
L*** DEL       61 DUP REM L17 (14 DUPLICATES REMOVED)
                  D 1-61
                  D 41 IALL
                  D 38 IALL
L*** DEL      556 S L7 (9999A) L8
L*** DEL      450 DUP REM L18 (106 DUPLICATES REMOVED)
                  D 1-450 KWIC
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                D 151 IALL

     FILE 'REGISTRY' ENTERED AT 09:31:15 ON 18 OCT 2002
L9              1 SEA GLYCOLIC ACID/CN
L10             1 SEA LACTIC ACID/CN
L11             1 SEA CARBON DIOXIDE/CN

     FILE 'EMBASE, BIOSIS, EUROPATFULL, JAPIO, ADISALERTS, ADISINSIGHT,
     ADISNEWS, BABS, BIOBUSINESS, BIOCOMMERCE, BIOTECHNO, CANCERLIT, CAPLUS,
     CBNB, CEN, CIN, CONFSCI, DGENE, DIOGENES, DRUGB, DRUGLAUNCH, DRUGMONOG2,
     DRUGNL, DRUGU, DRUGUPDATES, EMBAL, ESBIOBASE, ...' ENTERED AT 09:31:56
ON
     18 OCT 2002

     FILE 'REGISTRY' ENTERED AT 09:32:09 ON 18 OCT 2002
                D L11

     FILE 'EMBASE, BIOSIS, EUROPATFULL, JAPIO, ADISALERTS, ADISINSIGHT,
     ADISNEWS, BABS, BIOBUSINESS, BIOCOMMERCE, BIOTECHNO, CANCERLIT, CAPLUS,
     CBNB, CEN, CIN, CONFSCI, DGENE, DIOGENES, DRUGB, DRUGLAUNCH, DRUGMONOG2,
     DRUGNL, DRUGU, DRUGUPDATES, EMBAL, ESBIOBASE, ...' ENTERED AT 09:32:11
ON
     18 OCT 2002

     FILE 'REGISTRY' ENTERED AT 09:32:23 ON 18 OCT 2002
                SET SMARTSELECT ON
L12             SEL L9 1- CHEM :        9 TERMS
                SET SMARTSELECT OFF

     FILE 'EMBASE, BIOSIS, EUROPATFULL, JAPIO, ADISALERTS, ADISINSIGHT,
     ADISNEWS, BABS, BIOBUSINESS, BIOCOMMERCE, BIOTECHNO, CANCERLIT, CAPLUS,
     CBNB, CEN, CIN, CONFSCI, DGENE, DIOGENES, DRUGB, DRUGLAUNCH, DRUGMONOG2,
     DRUGNL, DRUGU, DRUGUPDATES, EMBAL, ESBIOBASE, ...' ENTERED AT 09:32:25
ON
     18 OCT 2002
L13         46682 SEA L12/BI

     FILE 'REGISTRY' ENTERED AT 09:34:52 ON 18 OCT 2002
                SET SMARTSELECT ON
L14             SEL L10 1- CHEM :       14 TERMS
                SET SMARTSELECT OFF

     FILE 'EMBASE, BIOSIS, EUROPATFULL, JAPIO, ADISALERTS, ADISINSIGHT,
     ADISNEWS, BABS, BIOBUSINESS, BIOCOMMERCE, BIOTECHNO, CANCERLIT, CAPLUS,
     CBNB, CEN, CIN, CONFSCI, DGENE, DIOGENES, DRUGB, DRUGLAUNCH, DRUGMONOG2,
     DRUGNL, DRUGU, DRUGUPDATES, EMBAL, ESBIOBASE, ...' ENTERED AT 09:34:54
ON
     18 OCT 2002
L15        302537 SEA L14/BI

     FILE 'REGISTRY' ENTERED AT 09:38:07 ON 18 OCT 2002
                SET SMARTSELECT ON
L16             SEL L11 1- CHEM :       12 TERMS
                SET SMARTSELECT OFF
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     FILE 'EMBASE, BIOSIS, EUROPATFULL, JAPIO, ADISALERTS, ADISINSIGHT,
     ADISNEWS, BABS, BIOBUSINESS, BIOCOMMERCE, BIOTECHNO, CANCERLIT, CAPLUS,
     CBNB, CEN, CIN, CONFSCI, DGENE, DIOGENES, DRUGB, DRUGLAUNCH, DRUGMONOG2,
     DRUGNL, DRUGU, DRUGUPDATES, EMBAL, ESBIOBASE, ...' ENTERED AT 09:38:09
ON
     18 OCT 2002
L17       985775 SEA L16/BI
L18        46668 SEA L9 OR L13
L19       302270 SEA L10 OR L15
L20       367987 SEA L11
                 D L17

     FILE 'REGISTRY' ENTERED AT 09:49:59 ON 18 OCT 2002
                 D L11

     FILE 'EMBASE, BIOSIS, EUROPATFULL, JAPIO, ADISALERTS, ADISINSIGHT,
     ADISNEWS, BABS, BIOBUSINESS, BIOCOMMERCE, BIOTECHNO, CANCERLIT, CAPLUS,
     CBNB, CEN, CIN, CONFSCI, DGENE, DIOGENES, DRUGB, DRUGLAUNCH, DRUGMONOG2,
     DRUGNL, DRUGU, DRUGUPDATES, EMBAL, ESBIOBASE, ...' ENTERED AT 09:50:05
ON
     18 OCT 2002
L21       997153 SEA L20 OR CARBON DIOXIDE OR CARBON OXIDE OR CARBON-12
DIOXIDE
                 OR CARBON 12C DIOXIDE-1602 OR CARBONIC ACID ANHYDRIDE OR
                 CARBONIC ACID GAS OR CARBONIC ANHYDRIDE OR DRY ICE OR KHLADON
                 744 OR R 744
L*** DEL     3409 S L19 AND L8 AND L21
L*** DEL       37 S L22 AND (MOSQUITO? OR AEDES OR ANOPHELES)
L*** DEL       35 DUP REM L23 (2 DUPLICATES REMOVED)
                 D 1-35
                 D 18 IALL
L*** DEL      294 S L19 (9999A) L8 (9999A) L21
L*** DEL      280 DUP REM L22 (14 DUPLICATES REMOVED)
                 D 1-280 KWIC
L22          1959 SEA L21 AND L18 AND L19
L23            13 SEA L22 AND (MOSQUITO? OR AEDES OR ANOPHELES)
L24            12 DUP REM L23 (1 DUPLICATE REMOVED)
                 D 1-12
L25          1867 DUP REM L22 (92 DUPLICATES REMOVED)
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     (FILE 'HOME' ENTERED AT 08:57:55 ON 18 OCT 2002)

     FILE 'REGISTRY' ENTERED AT 09:00:41 ON 18 OCT 2002
L1             1 S PYRUVIC ACID/CN
L2             1 S ACETONE/CN

     FILE 'EMBASE, BIOSIS, EUROPATFULL, JAPIO, ADISALERTS, ADISINSIGHT,
     ADISNEWS, BABS, BIOBUSINESS, BIOCOMMERCE, BIOTECHNO, CANCERLIT, CAPLUS,
     CBNB, CEN, CIN, CONFSCI, DGENE, DIOGENES, DRUGB, DRUGLAUNCH, DRUGMONOG2,
     DRUGNL, DRUGU, DRUGUPDATES, EMBAL, ESBIOBASE, ...' ENTERED AT 09:01:19
ON
     18 OCT 2002

     FILE 'REGISTRY' ENTERED AT 09:03:51 ON 18 OCT 2002
                SET SMARTSELECT ON
L3           SEL L1 1- CHEM :        9 TERMS
                SET SMARTSELECT OFF

     FILE 'EMBASE, BIOSIS, EUROPATFULL, JAPIO, ADISALERTS, ADISINSIGHT,
     ADISNEWS, BABS, BIOBUSINESS, BIOCOMMERCE, BIOTECHNO, CANCERLIT, CAPLUS,
     CBNB, CEN, CIN, CONFSCI, DGENE, DIOGENES, DRUGB, DRUGLAUNCH, DRUGMONOG2,
     DRUGNL, DRUGU, DRUGUPDATES, EMBAL, ESBIOBASE, ...' ENTERED AT 09:03:56
ON
     18 OCT 2002
L4         69748 S L3/BI

     FILE 'REGISTRY' ENTERED AT 09:06:46 ON 18 OCT 2002
                SET SMARTSELECT ON
L5           SEL L2 1- CHEM :        9 TERMS
                SET SMARTSELECT OFF

     FILE 'EMBASE, BIOSIS, EUROPATFULL, JAPIO, ADISALERTS, ADISINSIGHT,
     ADISNEWS, BABS, BIOBUSINESS, BIOCOMMERCE, BIOTECHNO, CANCERLIT, CAPLUS,
     CBNB, CEN, CIN, CONFSCI, DGENE, DIOGENES, DRUGB, DRUGLAUNCH, DRUGMONOG2,
     DRUGNL, DRUGU, DRUGUPDATES, EMBAL, ESBIOBASE, ...' ENTERED AT 09:06:50
ON
     18 OCT 2002
L6         572256 S L5/BI
L7          69929 S L1 OR L4
L8         572421 S L2 OR L6

     FILE 'REGISTRY' ENTERED AT 09:31:15 ON 18 OCT 2002
L9             1 S GLYCOLIC ACID/CN
L10            1 S LACTIC ACID/CN
L11            1 S CARBON DIOXIDE/CN

     FILE 'EMBASE, BIOSIS, EUROPATFULL, JAPIO, ADISALERTS, ADISINSIGHT,
     ADISNEWS, BABS, BIOBUSINESS, BIOCOMMERCE, BIOTECHNO, CANCERLIT, CAPLUS,
     CBNB, CEN, CIN, CONFSCI, DGENE, DIOGENES, DRUGB, DRUGLAUNCH, DRUGMONOG2,
     DRUGNL, DRUGU, DRUGUPDATES, EMBAL, ESBIOBASE, ...' ENTERED AT 09:31:56
ON
     18 OCT 2002

     FILE 'REGISTRY' ENTERED AT 09:32:09 ON 18 OCT 2002
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     FILE 'EMBASE, BIOSIS, EUROPATFULL, JAPIO, ADISALERTS, ADISINSIGHT,
     ADISNEWS, BABS, BIOBUSINESS, BIOCOMMERCE, BIOTECHNO, CANCERLIT, CAPLUS,
     CBNB, CEN, CIN, CONFSCI, DGENE, DIOGENES, DRUGB, DRUGLAUNCH, DRUGMONOG2,
     DRUGNL, DRUGU, DRUGUPDATES, EMBAL, ESBIOBASE, ...' ENTERED AT 09:32:11
ON
     18 OCT 2002

     FILE 'REGISTRY' ENTERED AT 09:32:23 ON 18 OCT 2002
                SET SMARTSELECT ON
L12           SEL L9 1- CHEM :       9 TERMS
                SET SMARTSELECT OFF

     FILE 'EMBASE, BIOSIS, EUROPATFULL, JAPIO, ADISALERTS, ADISINSIGHT,
     ADISNEWS, BABS, BIOBUSINESS, BIOCOMMERCE, BIOTECHNO, CANCERLIT, CAPLUS,
     CBNB, CEN, CIN, CONFSCI, DGENE, DIOGENES, DRUGB, DRUGLAUNCH, DRUGMONOG2,
     DRUGNL, DRUGU, DRUGUPDATES, EMBAL, ESBIOBASE, ...' ENTERED AT 09:32:25
ON
     18 OCT 2002
L13        46682 S L12/BI

     FILE 'REGISTRY' ENTERED AT 09:34:52 ON 18 OCT 2002
                SET SMARTSELECT ON
L14           SEL L10 1- CHEM :      14 TERMS
                SET SMARTSELECT OFF

     FILE 'EMBASE, BIOSIS, EUROPATFULL, JAPIO, ADISALERTS, ADISINSIGHT,
     ADISNEWS, BABS, BIOBUSINESS, BIOCOMMERCE, BIOTECHNO, CANCERLIT, CAPLUS,
     CBNB, CEN, CIN, CONFSCI, DGENE, DIOGENES, DRUGB, DRUGLAUNCH, DRUGMONOG2,
     DRUGNL, DRUGU, DRUGUPDATES, EMBAL, ESBIOBASE, ...' ENTERED AT 09:34:54
ON
     18 OCT 2002
L15       302537 S L14/BI

     FILE 'REGISTRY' ENTERED AT 09:38:07 ON 18 OCT 2002
                SET SMARTSELECT ON
L16           SEL L11 1- CHEM :      12 TERMS
                SET SMARTSELECT OFF

     FILE 'EMBASE, BIOSIS, EUROPATFULL, JAPIO, ADISALERTS, ADISINSIGHT,
     ADISNEWS, BABS, BIOBUSINESS, BIOCOMMERCE, BIOTECHNO, CANCERLIT, CAPLUS,
     CBNB, CEN, CIN, CONFSCI, DGENE, DIOGENES, DRUGB, DRUGLAUNCH, DRUGMONOG2,
     DRUGNL, DRUGU, DRUGUPDATES, EMBAL, ESBIOBASE, ...' ENTERED AT 09:38:09
ON
     18 OCT 2002
L17       985775 S L16/BI
L18        46668 S L9 OR L13
L19       302270 S L10 OR L15
L20       367987 S L11

     FILE 'REGISTRY' ENTERED AT 09:49:59 ON 18 OCT 2002

     FILE 'EMBASE, BIOSIS, EUROPATFULL, JAPIO, ADISALERTS, ADISINSIGHT,
     ADISNEWS, BABS, BIOBUSINESS, BIOCOMMERCE, BIOTECHNO, CANCERLIT, CAPLUS,
     CBNB, CEN, CIN, CONFSCI, DGENE, DIOGENES, DRUGB, DRUGLAUNCH, DRUGMONOG2,
     DRUGNL, DRUGU, DRUGUPDATES, EMBAL, ESBIOBASE, ...' ENTERED AT 09:50:05
ON
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18 OCT 2002

L21 997153 S L20 OR CARBON DIOXIDE OR CARBON OXIDE OR CARBON-12 DIOXIDE O

L22 85 S L21 (999A) L18 (9999A) L19

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     (FILE 'HOME' ENTERED AT 11:05:42 ON 18 OCT 2002)

     FILE 'REGISTRY' ENTERED AT 11:05:54 ON 18 OCT 2002
L1             1 S LACTIC ACID/CN
L2             1 S DIMETHYL DISULFIDE/CN
L3             1 S CARBON DIOXIDE/CN

     FILE 'EMBASE, BIOSIS, EUROPATFULL, JAPIO, ADISALERTS, ADISINSIGHT,
     ADISNEWS, BABS, BIOBUSINESS, BIOCOMMERCE, BIOTECHNO, CANCERLIT, CAPLUS,
     CBNB, CEN, CIN, CONFSCI, DGENE, DIOGENES, DRUGB, DRUGLAUNCH, DRUGMONOG2,
     DRUGNL, DRUGU, DRUGUPDATES, EMBAL, ESBIOBASE, ...' ENTERED AT 11:07:37
ON
     18 OCT 2002

     FILE 'REGISTRY' ENTERED AT 11:07:52 ON 18 OCT 2002
                SET SMARTSELECT ON
L4           SEL L1 1- CHEM :       14 TERMS
                SET SMARTSELECT OFF

     FILE 'EMBASE, BIOSIS, EUROPATFULL, JAPIO, ADISALERTS, ADISINSIGHT,
     ADISNEWS, BABS, BIOBUSINESS, BIOCOMMERCE, BIOTECHNO, CANCERLIT, CAPLUS,
     CBNB, CEN, CIN, CONFSCI, DGENE, DIOGENES, DRUGB, DRUGLAUNCH, DRUGMONOG2,
     DRUGNL, DRUGU, DRUGUPDATES, EMBAL, ESBIOBASE, ...' ENTERED AT 11:07:54
ON
     18 OCT 2002
L5         302537 S L4/BI

     FILE 'REGISTRY' ENTERED AT 11:11:35 ON 18 OCT 2002
                SET SMARTSELECT ON
L6           SEL L2 1- CHEM :        7 TERMS
                SET SMARTSELECT OFF

     FILE 'EMBASE, BIOSIS, EUROPATFULL, JAPIO, ADISALERTS, ADISINSIGHT,
     ADISNEWS, BABS, BIOBUSINESS, BIOCOMMERCE, BIOTECHNO, CANCERLIT, CAPLUS,
     CBNB, CEN, CIN, CONFSCI, DGENE, DIOGENES, DRUGB, DRUGLAUNCH, DRUGMONOG2,
     DRUGNL, DRUGU, DRUGUPDATES, EMBAL, ESBIOBASE, ...' ENTERED AT 11:11:37
ON
     18 OCT 2002
L7          11229 S L6/BI

     FILE 'REGISTRY' ENTERED AT 11:15:40 ON 18 OCT 2002
                SET SMARTSELECT ON
L8           SEL L3 1- CHEM :       12 TERMS
                SET SMARTSELECT OFF

     FILE 'EMBASE, BIOSIS, EUROPATFULL, JAPIO, ADISALERTS, ADISINSIGHT,
     ADISNEWS, BABS, BIOBUSINESS, BIOCOMMERCE, BIOTECHNO, CANCERLIT, CAPLUS,
     CBNB, CEN, CIN, CONFSCI, DGENE, DIOGENES, DRUGB, DRUGLAUNCH, DRUGMONOG2,
     DRUGNL, DRUGU, DRUGUPDATES, EMBAL, ESBIOBASE, ...' ENTERED AT 11:15:44
ON
     18 OCT 2002
L9        1055954 S L8/BI
L10        303037 S L1 OR L5
L11         11316 S L2 OR L7
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| | | |
|---|---|---|
| L12 | 1057142 | S L3 OR L9 |
| L13 | 11399 | S L11 OR METHYL DISULPHIDE |
| L14 | 82 | S L13 AND L10 AND L12 |
| L15 | 80 | DUP REM L14 (2 DUPLICATES REMOVED) |
| L16 | 44 | S L13 AND (MOSQUITO? OR AEDES OR ANOPHELES) |
| L17 | 37 | DUP REM L16 (7 DUPLICATES REMOVED) |
| L18 | 29 | S L16 AND (L10 OR L12) |
| L19 | 27 | DUP REM L18 (2 DUPLICATES REMOVED) |
| L20 | 258 | S L10 AND L13 |
| L21 | 225 | DUP REM L20 (33 DUPLICATES REMOVED) |

L16 ANSWER 676 OF 1223 CAPLUS COPYRIGHT 2002 ACS
ACCESSION NUMBER: 1989:572677 CAPLUS
DOCUMENT NUMBER: 111:172677
TITLE: The flavor of cape gooseberry (Physalis peruviana L.)
AUTHOR(S): Berger, Ralf G.; Drawert, Friedrich; Kollmannsberger, Hubert
CORPORATE SOURCE: Inst. Lebensmitteltechnol. Anal. Chem., Tech. Univ. Muenchen, Freising, D-8050/12, Fed. Rep. Ger.
SOURCE: Z. Lebensm.-Unters. Forsch. (1989), 188(2), 122-6
CODEN: ZLUFAR; ISSN: 0044-3026
DOCUMENT TYPE: Journal
LANGUAGE: English
CLASSIFICATION: 17-10 (Food and Feed Chemistry)
Section cross-reference(s): 11

ABSTRACT:
The volatile constituents of cape gooseberry (P. peruviana) were characterized after liq./liq. extn. and fractionation of the flavor concs. on SiO2 gel by high resoln. gas chromatog. and coupled gas chromatog.-mass spectrometry. Sniffing gas chromatog. on serially dild. exts. showed Me 2-methylbutyrate, 2,5-dimethyl-4-hydroxy-3(2H)-furanone and its 4-methoxy deriv., 4- and 5-octanolide, .beta.-ionone, and .beta.-damascenone to be impact components. The nonvolatile flavor fraction contained glucose, fructose, sucrose, citric acid, and smaller amts. of org. aliph. and benzoic acids. The bound forms of volatiles were dominated by benzyl alc., 2-methylpropanol, and 2-methylbutanol.
The presence of high amts. of activated acyl moieties in the fruit was concluded indirectly from various data.

SUPPL. TERM: cape gooseberry flavor constituent; Physalis flavor constituent
INDEX TERM: Physalis peruviana
(flavor of, components of)
INDEX TERM: Odor and Odorous substances
(of cape gooseberry)
INDEX TERM: Flavor
(of cape gooseberry, components of)
INDEX TERM: Alcohols, biological studies
Aldehydes, biological studies
Carbohydrates and Sugars, biological studies
Carboxylic acids, biological studies
Fatty acids, biological studies
Glycosides
Ketones, biological studies
Lactones
Terpenes and Terpenoids, biological studies
ROLE: BOC (Biological occurrence); BIOL (Biological study); OCCU (Occurrence)
(of cape gooseberry, flavor in relation to)
INDEX TERM: Carboxylic acids, esters
Fatty acids, esters
ROLE: BOC (Biological occurrence); BIOL (Biological study); OCCU (Occurrence)
(alkyl esters, of cape gooseberry, flavor in relation to)

INDEX TERM: **50-21-5**, biological studies 50-99-7, D-Glucose, biological studies 57-10-3, n-Hexadecanoic acid, biological studies 57-11-4, Octadecanoic acid, biological studies 57-48-7, D-Fructose, biological studies

57-50-1,

biological studies 60-12-8, 2-Phenylethanol 60-33-3, 9,12-Octadecadienoic acid (Z,Z)-, biological studies 64-19-7, Acetic acid, biological studies 65-85-0, Benzoic acid, biological studies 66-25-1, n-Hexanal 71-23-8, n-Propanol, biological studies 71-36-3, n-Butanol, biological studies 71-36-3D, n-Butanol, glycosides 71-41-0, n-Pentanol, biological studies 75-85-4 76-22-2 77-92-9, Citric acid, biological studies 78-83-1, biological studies 78-83-1D, glycosides 78-92-2, 2-Butanol 79-31-2, 2-Methylpropionic acid 79-77-6, .beta.-Ionone 80-56-8, .alpha.-Pinene 93-58-3, Methyl benzoate 93-58-3D, Methyl-benzoate, glycosides 93-89-0, Ethyl benzoate 96-22-0, 3-Pentanone 98-55-5, .alpha.-Terpineol 98-55-5D, .alpha.-Terpineol, glycosides 100-51-6, Benzenemethanol, biological studies 100-51-6D, Benzenemethanol, glycosides 100-52-7, Benzaldehyde, biological studies 104-50-7, 4-Octanolide 104-50-7D, 4-Octanolide, glycosides 105-21-5, 4-Heptanolide 105-53-3, Diethyl malonate 105-54-4, Ethyl butyrate 106-18-3, Butyl-dodecanoate 106-22-9D, Citronellol, glycosides 106-24-1, Geraniol 106-28-5, (E,E)-Farnesol 106-32-1, Ethyl octanoate 106-33-2, Ethyl dodecanoate 106-70-7, Methyl hexanoate **107-87-9, 2-Pentanone** 107-92-6, n-Butyric acid, biological studies 108-64-5, Ethyl 3-methylbutyrate 109-52-4, n-Pentanoic acid, biological studies 110-19-0, 2-Methylpropyl-acetate 110-34-9 110-38-3, Ethyl decanoate 110-42-9, Methyl decanoate 110-42-9D, Methyl-decanoate, glycosides 110-62-3, n-Pentanal 110-93-0, 6-Methyl-5-hepten-2-one 111-06-8, Butyl-hexadecanoate 111-11-5, Methyl octanoate

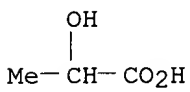
111-27-3,

n-Hexanol, biological studies 111-27-3D, n-Hexanol, glycosides 111-82-0, Methyl dodecanoate 111-82-0D, Methyl-dodecanoate, glycosides 111-87-5, n-Octanol, biological studies 112-05-0, n-Nonanoic acid 112-30-1, 1-Decanol 112-31-2, n-Decanal 112-39-0 112-39-0D, Methyl-hexadecanoate, glycosides 112-53-8, 1-Dodecanol 112-61-8, Methyl octadecanoate 112-61-8D, Methyl-octadecanoate, glycosides 112-62-9 112-62-9D, glycosides 112-63-0 112-72-1, n-Tetradecanol 112-79-8 112-80-1, 9-Octadecenoic acid (Z)-, biological studies 112-92-5, n-Octadecanol 115-18-4, 2-Methyl-3-buten-2-ol 116-53-0 118-61-6, Ethyl salicylate 119-36-8, Methyl salicylate 119-36-8D, Methyl-salicylate, glycosides 123-35-3, Myrcene 123-42-2 123-66-0, Ethyl hexanoate 123-73-9 123-86-4, Butyl-acetate 124-06-1, Ethyl tetradecanoate 124-07-2, n-Octanoic acid, biological studies 124-10-7, Methyl tetradecanoate 124-10-7D, Methyl-tetradecanoate, glycosides 124-13-0, n-Octanal

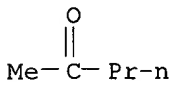
124-19-6, n-Nonanal 127-91-3, .beta.-Pinene 137-32-6D, glycosides 138-86-3, Limonene 140-11-4D, Benzyl acetate, glycosides 141-27-5, Geranial 142-62-1, Hexanoic acid, biological studies 143-07-7, n-Dodecanoic acid, biological studies 144-62-7, Oxalic acid, biological studies 150-86-7, Phytol 334-48-5, n-Decanoic acid 432-25-7, .beta.-Cyclocitral 463-40-1 470-82-6, 1,8-Cineol 499-75-2D, Carvacrol, glycosides 503-74-2, 3-Methylbutyric acid 506-12-7, n-Heptadecanoic acid 538-86-3, Benzylmethyl ether 544-63-8, N-Tetradecanoic acid, biological studies 547-63-7 556-24-1 562-74-3 565-69-5, 2-Methylpentan-3-one 584-02-1, 3-Pentanol 586-62-9, Terpinolene 589-38-8, 3-Hexanone 589-75-3, Butyl-octanoate 614-18-6, Ethyl nicotinate 616-25-1, 1-Penten-3-ol 621-82-9, Cinnamic acid, biological studies 623-42-7 628-97-7, Ethyl hexadecanoate 695-06-7, 4-Hexanolide 698-76-0, 5-Octanolide 698-76-0D, 5-Octanolide, glycosides 706-14-9, 4-Decanolide 706-14-9D, 4-Decanolide, glycosides 814-78-8 868-57-5, Methyl-2-methylbutyrate 924-50-5 1002-84-2, n-Pentadecanoic acid 1115-11-3, 2-Methyl-2-butenal 1117-55-1, Hexyl-octanoate 1189-09-9 1197-01-9 1576-87-0, 2-(E)-Pentenal 1576-96-1 1754-62-7, Methyl (E)-cinnamate 1937-62-8 2305-25-1, Ethyl 3-hydroxy-hexanoate 2349-14-6D, Methyl-geraniate, glycosides 3658-77-3, 2,5-Dimethyl-4-hydroxy-3(2H)-furanone 4077-47-8, 2,5-Dimethyl-4-methoxy-3(2H)-furanone 4192-77-2, Ethyl (E)-cinnamate 4312-99-6, 1-Octen-3-one 5461-06-3 6032-29-7, 2-Pentanol 6728-26-3 7132-64-1, Methyl pentadecanoate 7367-82-0 7367-87-5 7367-87-5D, glycosides 7367-90-0, Ethyl 3-hydroxyoctanoate 7367-90-0D, Ethyl 3-hydroxyoctanoate, glycosides 7452-79-1, Ethyl 2-methylbutyrate 7500-42-7, 2,2,6-Trimethyl-6-hydroxy-cyclohexanone 7786-61-0D, 2-Methoxy-4-vinylphenol, glycosides 10473-14-0 17092-92-1, Dihydroactinidiolide 17417-00-4 18787-63-8, 2-Hexadecanone 21188-58-9D, Methyl 3-hydroxyhexanoate, glycosides 23267-57-4, 5,6-Epoxy-.beta.-ionone 23726-93-4 25447-95-4, Hexadecenoic acid 29960-49-4 30336-14-2, 2-Octen-4-olide 30673-36-0, Butyl-decanoate 30673-38-2 36653-82-4, n-Hexadecanol 37811-72-6 41654-19-7 41725-90-0 75587-05-2 75587-05-2D, Ethyl 5-hydroxyoctanoate, glycosides 101853-49-0D, Methyl 5-hydroxyoctanoate, glycosides
ROLE: BOC (Biological occurrence); BIOL (Biological study); OCCU (Occurrence)
(of cape gooseberry, flavor in relation to)

IT **50-21-5**, biological studies **107-87-9, 2-Pentanone**
RL: BOC (Biological occurrence); BIOL (Biological study); OCCU (Occurrence)
(of cape gooseberry, flavor in relation to)

RN 50-21-5 CAPLUS
CN Propanoic acid, 2-hydroxy- (9CI) (CA INDEX NAME)



RN 107-87-9 CAPLUS
CN 2-Pentanone (8CI, 9CI) (CA INDEX NAME)

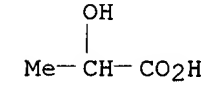


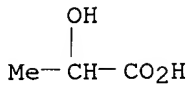
L16 ANSWER 1218 OF 1223 CAPLUS COPYRIGHT 2002 ACS
ACCESSION NUMBER: 1972:473862 CAPLUS
DOCUMENT NUMBER: 77:73862
TITLE: Gas-chromatographic analysis of volatile components of grass silage
AUTHOR(S): Kibe, Kyuei; Kagura, Seizo
CORPORATE SOURCE: Fac. Agric., Shinshu Univ., Ina, Japan
SOURCE: Nippon Chikusan Gakkai-Ho (1972), 43(6), 342-4
CODEN: NICKA3
DOCUMENT TYPE: Journal
LANGUAGE: Japanese
CLASSIFICATION: 17-5 (Foods)
ABSTRACT:

Approx. 2.5 kg each of 2 grass-legume silages was distd. under normal atm. pressure, and 10 l. of distillate from each sample was extd. with ether. The ether exts. were analyzed by gas-liq. chromatog. In the silage A exts., PrOH and (or) valeraldehyde and capron-aldehyde were the major constituents and EtOH, BuOH, **methyl-propyl ketone**, Bu-OAc, and unknown components of an unidentified peak were the minor constituents. The distillate from silage B contained appreciable amts. of EtOH, PrOH and (or) valeraldehyde and butyraldehyde and the unknown constituents of an unidentified peak. It was assumed that acetaldehyde and (or) propionaldehyde were included in the 1st peak, but they were not sepd. with ether. An anal. method for the head space vapor was effective to investigate the constituents with low boiling points. The butyric and caproic acid contents of silage A showed higher values, but in silage B the contents of acetic and lactic acids were higher. In feeding trials with goats, silage B was more palatable than silage A.

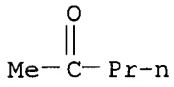
SUPPL. TERM: silage volatiles chromatog
INDEX TERM: Silage
(grass-legume, detn. of volatiles of)
INDEX TERM: Legume
(silage of grass and, chromatography of volatiles of)
INDEX TERM: Grass
(silage, volatiles of)
INDEX TERM: **50-21-5**, analysis 64-17-5, analysis 64-19-7, analysis 66-25-1 71-23-8, analysis 71-36-3, analysis **107-87-9** 107-92-6, analysis 110-62-3 123-72-8 123-86-4 142-62-1, analysis
ROLE: ANT (Analyte); ANST (Analytical study)
(detection of, in silage volatiles)

IT **50-21-5**, analysis **107-87-9**
RL: ANT (Analyte); ANST (Analytical study)
(detection of, in silage volatiles)
RN 50-21-5 CAPLUS
CN Propanoic acid, 2-hydroxy- (9CI) (CA INDEX NAME)





RN 107-87-9 CAPLUS
CN 2-Pentanone (8CI, 9CI) (CA INDEX NAME)



L16 ANSWER 808 OF 1223 BIOSIS COPYRIGHT 2002 BIOLOGICAL ABSTRACTS INC.
DUPLICATE 24

ACCESSION NUMBER: 1986:170916 BIOSIS
DOCUMENT NUMBER: BA81:81332
TITLE: MONITORING CHEMICAL CHANGES IN CHEDDAR CHEESE DURING AGING BY HIGH-PERFORMANCE LIQUID CHROMATOGRAPHY AND GAS CHROMATOGRAPHY TECHNIQUES.
AUTHOR(S): MARSILI R
CORPORATE SOURCE: DEAN FOODS CO., 1126 KILBURN AVE., ROCKFORD, IL 61101.
SOURCE: J DAIRY SCI, (1985 (RECD 1986)) 68 (12), 3155-3161.
CODEN: JDSCAE. ISSN: 0022-0302.
FILE SEGMENT: BA; OLD
LANGUAGE: English
ABSTRACT:

The concentrations of several chemical metabolites in Cheddar cheese were monitored by various chromatographic techniques during the aging process to learn which metabolites were the best predictors of the glycolytic, lipolytic, and proteolytic age of the cheese. Pyruvic, lactic, acetic, and propionic acids
were measured by ion-exchange high performance liquid chromatography; acetone, 2-butanone, ethanol, **2-pentanone**, 2-butanol, and n-propanol
were monitored by headspace gas chromatography; free fatty acids were quantitated (without derivatization) by gas chromatography; and free amino acids were determined as their o-phthaldehyde derivatives by high performance liquid chromatography. The best predictors of the glycolytic age were propionic
acid and acetic acid; the best predictors of lipolysis were the free fatty acids C10, C12, C14, and C16; and the best predictors of proteolysis were the free amino acids leucine, methionine, and glutamic acid. The volatile metabolites determined by headspace gas chromatography were not good indicators of aging; however, they did provide useful information related to flavor problems. Cheddar cheese aged at elevated temperatures produced propionic acid, acetic acid, and free amino acids at significantly faster rates
than the other chemicals that were monitored.

CONCEPT CODE:
Biochemical Studies - General 10060
Biochemical Studies - Proteins, Peptides and Amino Acids 10064
Biochemical Studies - Lipids 10066
Biophysics - General Biophysical Techniques 10504
Food Technology - Malts, Brews and Other Fermentation Products *13512
Food Technology - Dairy Products *13518
Food Technology - Evaluations of Physical and Chemical Properties *13530
Food Technology - Preparation, Processing and Storage *13532

INDEX TERMS:
Miscellaneous Descriptors
PYRUVIC-ACID **LACTIC-ACID** ACETIC-ACID
PROPIONIC-ACID ACETONE N PROPANOL 2 BUTANONE ETHANOL
**2 PENTANONE** 2 BUTANOL FREE FATTY-ACIDS
LEUCINE METHIONINE GLUTAMIC-ACID FOOD PROCESSING

REGISTRY NUMBER:
**50-21-5** (**LACTIC-ACID**)
64-17-5 (ETHANOL)

64-19-7 (ACETIC-ACID)
67-64-1 (ACETONE)
71-23-8 (N PROPANOL)
78-92-2 (2 BUTANOL)
78-93-3 (2 BUTANONE)
79-09-4 (PROPIONIC-ACID)
**107-87-9 (2 PENTANONE)**
127-17-3 (PYRUVIC-ACID)
56-86-0Q, 6899-05-4Q (GLUTAMIC-ACID)
61-90-5Q, 7005-03-0Q (LEUCINE)
63-68-3Q, 7005-18-7Q (METHIONINE)

L16 ANSWER 753 OF 1223 CAPLUS COPYRIGHT 2002 ACS
ACCESSION NUMBER: 1987:83193 CAPLUS
DOCUMENT NUMBER: 106:83193
TITLE: Study of flavor compounds from Parmigiano Reggiano cheese
AUTHOR(S): Meinhart, E.; Schreier, P.
CORPORATE SOURCE: Univ. Wuerzburg, Wuerzburg, Fed. Rep. Ger.
SOURCE: Milchwissenschaft (1986), 41(11), 689-91
CODEN: MILCAD; ISSN: 0026-3788
DOCUMENT TYPE: Journal
LANGUAGE: English
CLASSIFICATION: 17-8 (Food and Feed Chemistry)
ABSTRACT:
The flavor substances from Parmigiano Reggiano cheese were isolated by std. controlled high-vacuum distn./solvent extn. Alk. treatment (NaHCO3, 5%) of the
ext. led to sepn. of acids, which were derivatized to their Me esters. The neutral volatiles were preseparated by liq. chromatog. and combined capillary gas chromatog.-mass spectrometry, in total 160 flavor compds. were identified. These substances consisted of 38 esters, 31 carbonyls, 33 alcs., 29 acids, 9 hydrocarbons, 9 lactones, and 11 volatiles with misc. structures. Among the neutral volatiles, quant., ethyl hexanoate [123-66-0], 2-heptanone [110-43-0], and 2-pentanol [6032-29-7] predominated.

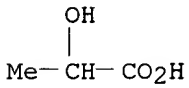
SUPPL. TERM: cheese flavor compd; volatile substance cheese
INDEX TERM: Odor and Odorous substances
Volatile substances
(of Parmigiano Reggiano cheese)
INDEX TERM: Alcohols, biological studies
Aldehydes, biological studies
Carboxylic acids, biological studies
Esters, biological studies
Hydrocarbons, biological studies
Ketones, biological studies
Lactones
ROLE: BOC (Biological occurrence); BIOL (Biological study); OCCU (Occurrence)
(of Parmigiano Reggiano cheese)
INDEX TERM: Cheese
(Parmesan, flavor compds. of)
INDEX TERM: **50-21-5, 2-Hydroxypropanoic acid,** biological studies 57-10-3, Hexadecanoic acid, biological studies 57-11-4, Octadecanoic acid, biological studies 60-12-8, 2-Phenylethanol 60-33-3, Linoleic acid, biological studies 64-19-7, Acetic acid, biological studies 65-85-0, Benzoic acid, biological studies 66-25-1, Hexanal 71-23-8, 1-Propanol, biological studies 71-36-3, 1-Butanol, biological studies 71-41-0, 1-Pentanol, biological studies 71-43-2, Benzene, biological studies 75-65-0, 2-Methyl-2-propanol, biological studies 75-85-4, 2-Methyl-2-butanol 76-22-2, Camphor 78-59-1 78-70-6, Linalool 78-83-1, 2-Methyl-1-propanol, biological studies 78-92-2, 2-Butanol

79-09-4, Propanoic acid, biological studies 79-31-2, 2-Methylpropanoic acid 88-09-5, 2-Ethylbutanoic acid 90-05-1, Guaiacol 90-12-0 91-20-3, biological studies 91-57-6 95-16-9 95-47-6, o-Xylene, biological studies 96-22-0, 3-Pentanone 98-00-0 98-01-1, Furfural, biological studies 98-55-5, .alpha.-Terpineol 98-86-2, Acetophenone, biological studies 99-96-7, 4-Hydroxybenzoic acid, biological studies 100-41-4, Ethylbenzene, biological studies 100-51-6, Benzyl alcohol, biological studies 100-52-7, Benzaldehyde, biological studies 104-50-7 104-76-7, 2-Ethyl-1-hexanol 105-54-4, Ethyl butanoate 106-32-1, Ethyl octanoate 106-35-4, 3-Heptanone 106-42-3, p-Xylene, biological studies 106-44-5, p-Cresol, biological studies 106-68-3, 3-Octanone **107-87-9, 2-Pentanone** 107-92-6, Butanoic acid, biological studies 108-29-2, .gamma.-Valerolactone 108-38-3, biological studies 108-50-9, 2,6-Dimethylpyrazine 108-88-3, Toluene, biological studies 108-94-1, Cyclohexanone, biological studies 108-95-2, Phenol, biological studies 109-52-4, Pentanoic acid, biological studies 110-38-3, Ethyldecanoate 110-43-0, 2-Heptanone 110-62-3, Pentanal 110-86-1, Pyridine, biological studies 111-13-7, 2-Octanone 111-14-8 111-27-3, 1-Hexanol, biological studies 111-70-6, 1-Heptanol 111-71-7, Heptanal 111-87-5, 1-Octanol, biological studies 112-05-0, Nonanoic acid 112-12-9, 2-Undecanone 112-30-1, 1-Decanol 112-31-2, Decanal 112-37-8, Undecanoic acid 112-40-3, Dodecane 112-53-8, 1-Dodecanol 112-72-1, 1-Tetradecanol 112-80-1, Oleic acid, biological studies 112-92-5, 1-Octadecanol 112-95-8, Eicosane 116-53-0, 2-Methylbutanoic acid 120-75-2 122-00-9 122-78-1, Phenylacetaldehyde 123-42-2 123-51-3 123-66-0, Ethyl hexanoate 123-96-6, 2-Octanol 123-99-9, biological studies 124-07-2, biological studies 124-13-0, Octanal 124-18-5, Decane 124-19-6, Nonanal 141-78-6, Ethyl acetate, biological studies 141-79-7, 4-Methyl-3-penten-2-one 142-62-1, Hexanoic acid, biological studies 143-07-7, Dodecanoic acid, biological studies 143-08-8, 1-Nonanol 149-57-5 290-37-9, Pyrazine 334-48-5, Decanoic acid 503-74-2, 3-Methylbutanoic acid 543-49-7, 2-Heptanol 544-63-8, Tetradecanoic acid, biological studies 544-76-3, Hexadecane 584-02-1, 3-Pentanol 589-38-8, 3-Hexanone 590-86-3, 3-Methylbutanal 591-78-6, 2-Hexanone 593-08-8, 2-Tridecanone 593-45-3, Octadecane 620-02-0, 5-Methylfurfural 623-36-9, 2-Methyl-2-pentenal 623-37-0, 3-Hexanol 626-93-7, 2-Hexanol 628-99-9, 2-Nonanol 629-50-5, Tridecane 629-59-4, Tetradecane 629-62-9, Pentadecane 629-78-7 629-92-5, Nonadecane 693-54-9 695-06-7, .gamma.-Hexalactone 698-76-0, .delta.-Octalactone 705-86-2, .delta.-Decalactone

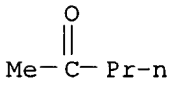
706-14-9, .gamma.-Decalactone 713-95-1,
.delta.-Dodecalactone 764-37-4, (E)-3-Penten-1-ol
821-55-6, 2-Nonanone 928-95-0, (E)-2-Hexen-1-ol
1002-84-2, Pentadecanoic acid 1120-21-4, Undecane
2305-05-7 2345-28-0, 2-Pentadecanone 3301-90-4,
.delta.-Heptalactone 4536-23-6 5910-89-4,
2,3-Dimethylpyrazine 6032-29-7, 2-Pentanol 14436-32-9,
9-Decenoic acid 18138-04-0, 2,3-Diethyl-5-methylpyrazine
25234-25-7 36653-82-4, 1-Hexadecanol 55031-15-7
ROLE: BOC (Biological occurrence); BIOL (Biological study);
OCCU (Occurrence)
(of Parmigiano Reggiano cheese)

IT **50-21-5, 2-Hydroxypropanoic acid,**
biological studies **107-87-9, 2-Pentanone**
RL: BOC (Biological occurrence); BIOL (Biological study); OCCU
(Occurrence)
(of Parmigiano Reggiano cheese)

RN 50-21-5 CAPLUS
CN Propanoic acid, 2-hydroxy- (9CI) (CA INDEX NAME)



RN 107-87-9 CAPLUS
CN 2-Pentanone (8CI, 9CI) (CA INDEX NAME)



L16 ANSWER 645 OF 1223 CAPLUS COPYRIGHT 2002 ACS
ACCESSION NUMBER: 1991:447943 CAPLUS
DOCUMENT NUMBER: 115:47943
TITLE: Isolation and identification of dry salami volatiles
AUTHOR(S): Berger, Ralf G.; Macku, Carlos; German, J. Bruce; Shibamoto, Takayuki
CORPORATE SOURCE: Inst. Lebensmitteltechnol. Anal. Chem., Tech. Univ. Muenchen, Freising, D-8050/12, Germany
SOURCE: Journal of Food Science (1990), 55(5), 1239-42
CODEN: JFDSAZ; ISSN: 0022-1147
DOCUMENT TYPE: Journal
LANGUAGE: English
CLASSIFICATION: 17-7 (Food and Feed Chemistry)
ABSTRACT:
The volatile constituents of air-dried, mold-fermented salami sausage were isolated from meat and casing using a dynamic headspace/continuous solvent extn. method. Apolar and polar fractions of the aroma concs., and a methylated
acidic ether ext. of the defatted meat were analyzed by high-resoln. gas chromatog. and coupled gas chromatog.-mass spectrometry. Most volatiles identified were derived from lipid degrdn., from pepper (added as a spice), and
from the degrdn. of pepper terpenes and phenolics. Neither typical intermediates of fatty acid autoxidn. nor N-contg. volatiles were among the 68 identified compds. The contribution of lipid precursors was essential to overall flavor as were the microbial activities.

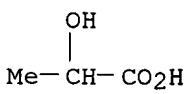
SUPPL. TERM: salami sausage volatile flavor
INDEX TERM: Lipids, compounds
ROLE: BIOL (Biological study)
(compds., volatile, in salami sausage)
INDEX TERM: Flavor
Odor and Odorous substances
Aldehydes, biological studies
Ketones, biological studies
Terpenes and Terpenoids, biological studies
ROLE: BIOL (Biological study)
(of salami sausage)
INDEX TERM: Pepper (condiment)
(volatile products of, in salami sausage)
INDEX TERM: Carotenes and Carotenoids, biological studies
ROLE: BIOL (Biological study)
(nor-, of salami sausage)
INDEX TERM: Meat
(sausage, salami, volatile compds. of)
INDEX TERM: **50-21-5, Lactic acid,** biological studies 57-11-4, Octadecanoic acid, biological studies 59-67-6, Nicotinic acid, biological studies 60-33-3, 9,12-Octadecadienoic acid (Z,Z)-, biological studies 64-19-7, Acetic acid, biological studies 66-25-1, n-Hexanal 71-41-0, 1-Pentanol, biological studies 77-92-9, Citric acid, biological studies 78-70-6, Linalool
79-92-5, Camphene 80-56-8, .alpha.-Pinene 87-44-5,

.beta.-Caryophyllene 93-15-2, Methyleugenol 94-59-7, Safrole 96-22-0, 3-Pentanone 97-61-0, 2-Methylpentanoic acid 97-65-4, biological studies 99-83-2, .alpha.-Phellandrene 99-85-4, .gamma.-Terpinene 99-86-5, .alpha.-Terpinene 99-87-6, 4-Isopropyl-1-methylbenzene 100-52-7, Benzaldehyde, biological studies 100-66-3, Methoxybenzene, biological studies **107-87-9**, **2-Pentanone** 107-92-6, Butanoic acid, biological studies 107-93-7 108-10-1, 4-Methyl-**2-pentanone** 108-39-4, biological studies 108-95-2, Phenol, biological studies 110-12-3, 5-Methyl-2-hexanone 110-15-6, Butanedioic acid, biological studies 110-43-0, 2-Heptanone 111-13-7, 2-Octanone 111-71-7, n-Heptanal 112-12-9, 2-Undecanone 112-31-2, n-Decanal 123-11-5, 4-Methoxybenzaldehyde, biological studies 123-35-3, Myrcene 123-51-3 124-07-2, Octanoic acid, biological studies 124-13-0, n-Octanal 124-19-6, n-Nonanal 127-91-3, .beta.-Pinene 138-86-3, Limonene 141-82-2, Propanedioic acid, biological studies 142-50-7, Nerolidol 142-62-1, Hexanoic acid, biological studies 143-07-7, Dodecanoic acid, biological studies 334-48-5, Decanoic acid 483-77-2, Calamenene 503-74-2, 3-Methylbutanoic acid 544-63-8, Tetradecanoic acid, biological studies 555-10-2, .beta.-Phellandrene 562-74-3 586-62-9, Terpinolene 598-75-4, 3-Methyl-2-butanol 607-91-0, Myristicin 623-36-9 821-55-6, 2-Nonanone 928-95-0, (E)-2-Hexenol 1115-11-3 1139-30-6, Caryophyllene-epoxide 2027-47-6, 9-Octadecenoic acid 2867-05-2, .alpha.-Thujene 3387-41-5, Sabinene 3391-86-4, 1-Octene-3-ol 3856-25-5, .alpha.-Copaene 6032-29-7, 2-Pentanol 7664-38-2, Phosphoric acid, biological studies 10317-17-6, 3-Oxetane-1-methylethyl 11072-28-9, Dimethyloctenone 13466-78-9, 3-Carene 13877-91-3, .beta.-Ocimene 25447-95-4, Hexadecenoic acid 27598-81-8, Dimethoxybenzene 28039-99-8, Hexadecenoic acid 55145-28-3 134845-73-1
ROLE: BIOL (Biological study)
(of salami sausage)

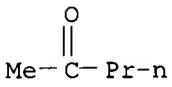
IT **50-21-5, Lactic acid**, biological studies
**107-87-9, 2-Pentanone**
RL: BIOL (Biological study)
(of salami sausage)

RN 50-21-5 CAPLUS

CN Propanoic acid, 2-hydroxy- (9CI) (CA INDEX NAME)



RN 107-87-9 CAPLUS
CN 2-Pentanone (8CI, 9CI) (CA INDEX NAME)



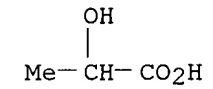
L16 ANSWER 809 OF 1223 CAPLUS COPYRIGHT 2002 ACS
ACCESSION NUMBER: 1985:559286 CAPLUS
DOCUMENT NUMBER: 103:159286
TITLE: Tilsit aroma
AUTHOR(S): Ney, K. H.
CORPORATE SOURCE: Anstrichmittel, 2000/56, Fed. Rep. Ger.
SOURCE: Fette, Seifen, Anstrichm. (1985), 87(7), 289-94
CODEN: FSASAX; ISSN: 0015-038X
DOCUMENT TYPE: Journal
LANGUAGE: German
CLASSIFICATION: 17-8 (Food and Feed Chemistry)
ABSTRACT:
The 12 keto acids, 8 amines, 28 fatty acids, 6 amides, 3 esters, 3 methylketones, 5 aldehydes, 5 primary alcs., 3 secondary alcs., H2S, and ***lactic*** **acid** [**50-21-5**] assocd. with the flavor and taste of Tilsit cheese are tabulated. The fatty acids are key ingredients in the aroma, with butyric acid [107-92-6], isobutyric acid [79-31-2], isovaleric acid [503-74-2] and acetic acid [64-19-7] being major contributors. An aromagram of the cheese is given.

SUPPL. TERM: aroma cheese Tilsit; fatty acid Tilsit cheese flavor
INDEX TERM: Odor and Odorous substances
(of Tilsit cheese)
INDEX TERM: Alcohols, biological studies
Aldehydes, biological studies
Amides, biological studies
Amines, biological studies
Esters, biological studies
Fatty acids, biological studies
ROLE: BIOL (Biological study)
(of Tilsit cheese aroma)
INDEX TERM: Flavor
(of Tilsit cheese, components of)
INDEX TERM: Ketones, biological studies
ROLE: BIOL (Biological study)
(Me, of Tilsit cheese aroma)
INDEX TERM: Cheese
(Tilsit, aroma compds. of)
INDEX TERM: Fatty acids, biological studies
ROLE: BIOL (Biological study)
(branched, of Tilsit cheese aroma)
INDEX TERM: 57-10-3, biological studies 544-63-8, biological studies
ROLE: BIOL (Biological study)
(branched, of Tilsit cheese aroma)
INDEX TERM: 506-12-7D, branched
ROLE: BIOL (Biological study)
(d)
INDEX TERM: **50-21-5**, biological studies 51-45-6, biological studies 57-10-3, biological studies 57-11-4, biological studies 60-35-5, biological studies 64-04-0 64-19-7, biological studies 71-23-8, biological studies 71-36-3, biological studies 75-04-7, biological studies 75-07-0, biological studies 79-05-0 79-09-4, biological studies 79-31-2 105-54-4 106-32-1 107-10-8, biological studies

**107-87-9** 107-92-6, biological studies 109-52-4, biological studies 109-73-9, biological studies 109-89-7, biological studies 110-43-0 110-62-3 111-14-8 111-26-2 111-27-3, biological studies 111-87-5, biological studies 112-05-0 112-37-8 112-80-1, biological studies 123-38-6, biological studies 123-66-0 123-72-8 124-07-2, biological studies 124-40-3, biological studies 127-17-3, biological studies 142-62-1, biological studies 143-07-7, biological studies 143-08-8 156-06-9 156-39-8 298-12-4 328-42-7 328-50-7 334-48-5 503-74-2 541-35-5 541-46-8 543-49-7 544-63-8, biological studies 563-83-7 583-92-6 626-97-1 628-99-9 638-53-9 638-53-9D, branched 646-07-1 821-55-6 1002-84-2 1002-84-2D, branched 1113-60-6 1460-34-0 1944-42-9 2504-83-8 3268-49-3 6032-29-7 7783-06-4, biological studies 19456-81-6 26444-03-1 26446-27-5 28039-99-8
ROLE: BIOL (Biological study)
(of Tilsit cheese aroma)

IT **50-21-5**, biological studies **107-87-9**
RL: BIOL (Biological study)
(of Tilsit cheese aroma)

RN 50-21-5 CAPLUS
CN Propanoic acid, 2-hydroxy- (9CI) (CA INDEX NAME)



RN 107-87-9 CAPLUS
CN 2-Pentanone (8CI, 9CI) (CA INDEX NAME)